

ABSTRACT

A measuring instrument that comprises a light source unit 1 capable of emitting light having different wavelengths, a light receiving unit 2 that outputs an electrical signal corresponding to an intensity of transmitted light or radiated light from a sample 6 mixed with a plurality of coloring matters, and a calculation section 3, is used. The calculation section 3 uses a previously calculated correction coefficient to calculate the fluorescence intensity of transmitted light or radiated light for each coloring matter. The correction coefficient is calculated based on an electrical signal output by the light receiving unit 2 when a plurality of correction samples are irradiated with light having different wavelengths, each correction sample being mixed with any one of the coloring matters and the respective mixed coloring matters being different from one another.